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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/019,537	01/03/2002	Kenichi Miyoshi	L9289.01230	2097
24257	7590	06/29/2006	EXAMINER	
STEVENS DAVIS MILLER & MOSHER, LLP			WONG, LINDA	
1615 L STREET, NW				
SUITE 850			ART UNIT	
WASHINGTON, DC 20036			2611	
			PAPER NUMBER	

DATE MAILED: 06/29/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/019,537

Applicant(s)

MIYOSHI ET AL.

Examiner

Linda Wong

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 03 January 2002.
- 2a) ☐ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☒ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-40 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 2-5 and 22-26 is/are allowed.
- 6) ☐ Claim(s) _____ is/are rejected.
- 7) ☒ Claim(s) 1,6-21 and 27-40 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Priority

1. Acknowledgment is made of applicant's claim for foreign priority under 35 U.S.C. 119(a)-(d).

Claim Objections

2. **Claim 1, line 11-12**, recites the limitation "the error detection result". There is insufficient antecedent basis for this limitation in the claim.
3. **Claim 1, lines 13 and 14**, recites the limitation "the replica". Since the previously mentioned "replica" is recited as "an interference replica", it is suggested by the examiner to replace "the replica" as recited in lines 13 and 14 to "the interference replica" so to eliminate any possible confusion.
4. **Claim 6, line 20**, recite the limitation "the previous stage". There is insufficient antecedent basis for this limitation in the claim.
5. **Claim 6, line 21**, recite the limitation "the own stage". There is insufficient antecedent basis for this limitation in the claim.
6. **Claim 6, line 25**, recite the limitation "the selected signal". Is the selected signal referencing "selecting a most suitable signal"? There is insufficient antecedent basis for this limitation in the claim.
7. **Claim 6, line 5**, recite the limitation "the final stage. There is insufficient antecedent basis for this limitation in the claim.

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8. **Claim 13, line 5**, recite the limitation “the final stage”. There is insufficient antecedent basis for this limitation in the claim.
9. **Claim 13, lines 18,21,22**, recite the limitation “the own stage”. There is insufficient antecedent basis for this limitation in the claim.
10. **Claim 13, lines 20,23**, recite the limitation “the previous stage”. There is insufficient antecedent basis for this limitation in the claim.
11. **Claim 27, lines 20,23**, recite the limitation “the previous stage”. There is insufficient antecedent basis for this limitation in the claim.
12. **Claim 27, line 18**, recite the limitation “the own stage”. There is insufficient antecedent basis for this limitation in the claim.
13. **Claim 27, line 25**, recite the limitation “the selected signal”. Is the selected signal referencing “selecting a most suitable signal”? There is insufficient antecedent basis for this limitation in the claim.
14. **Claim 27, line 6**, recite the limitation “the final stage. There is insufficient antecedent basis for this limitation in the claim.
15. **Claim 34, lines 20,23**, recite the limitation “the previous stage”. There is insufficient antecedent basis for this limitation in the claim.
16. **Claim 34, lines 18,21,22**, recite the limitation “the own stage”. There is insufficient antecedent basis for this limitation in the claim.
17. **Claim 34, line 25**, recite the limitation “the selected signal”. Is the selected signal referencing “selecting a most suitable signal”? There is insufficient antecedent basis for this limitation in the claim.

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18. **Claim 34, line 6**, recite the limitation “the final stage. There is insufficient antecedent basis for this limitation in the claim.

Allowable Subject Matter

19. **Claims 2-3,4-5,22-26** are allowed over prior art.
20. **Claims 1,7-12,14-21,28-33,35-40** are objected to as being dependent upon an objected base claim, but would be allowable if the objected base claim is rewritten to overcome the objections as stated in this office action.

Conclusion

This application is in condition for allowance except for the following formal matters:

The objections as stated in this office action for claims 1,6,13,27,34.

Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Linda Wong whose telephone number is 571-272-6044. The examiner can normally be reached on 9-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dac Ha can be reached on (571) 272-3040. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Linda Wong


CHIEH M. FAN
SUPERVISORY PATENT EXAMINER